

# FILE NOTATIONS

Entered in NID File

Entered on SR Sheet

Location Map Pinned

Card Indexed

IWR for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

## COMPLETION DATA

Date Well Completed

OW

WW

TA

GW

OS

PA

Location Inspected

Bond released

State of Fee Land

## LOGS FILED

Driller's Log

Electric Logs (No.)

E

I

E-I

GR

GR-N

Micro

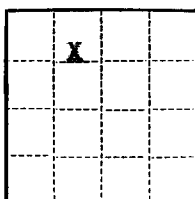
Lat

Mi-L

Sonic

Others

*Subsequent Report of Abandonment*



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Form Approved.

Land Office Utah  
Lease No. U-017580  
Unit Olen Featherstone  
Federal "B"

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Olen Featherstone-Federal "B"

Farmington, New Mexico December 3, 1963

Well No. 1 is located 660 ft. from N line and 2140 ft. from W line of sec. 24

NE/4 NW/4 Section 24  
( $\frac{1}{4}$  Sec. and Sec. No.)

T-37-S  
(Twp.)

R-25-E  
(Range)

S.L.M.  
(Meridian)

Wildcat  
(Field)

San Juan  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft. (To be reported later)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We propose to drill the above well to approximately 6300' with rotary tools to test the Desert Creek (Paradox). Completion procedure will be determined upon reaching total depth. Casing program is as follows:

CASING SIZE	DEPTH	REMARKS:
8-5/8"	500'	400 sacks - cement to surface.
4-1/2"	6300'	300 sacks - to fill 300-500' above pay.

Copies of location plat attached. Copies of all logs run will be furnished later.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company PAN AMERICAN PETROLEUM CORPORATION

Address P. O. Box 480

Farmington, New Mexico

Fred L. Nabors  
District Engineer

ORIGINAL SIGNED BY  
F. H. HOLLINGSWORTH

Title \_\_\_\_\_

Verbally approved December 3, 1963 Mr. Schmidt and Mr. Peight to Mr. Hollingsworth.

COMPANY Pan American Petroleum Corporation

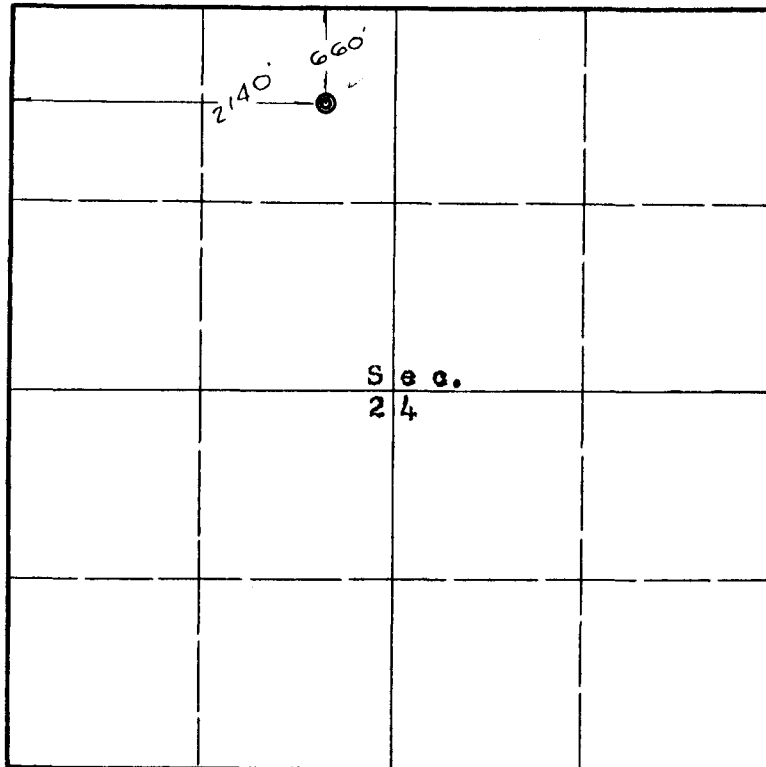
Well Name & No. Olen Featherstone Federal "B" No. 1 Lease No. \_\_\_\_\_

Location 660 feet from the North line and 2140 feet from the West line.

Being in NE1/4

Sec. 24, T37 S., R25 E., ~~N.M.P.M.~~ Salt Lake Meridian, San Juan County, Utah.

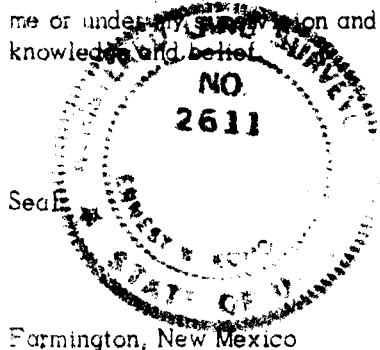
Ground Elevation \_\_\_\_\_



Scale, 4 inches = 1 mile

Surveyed December 2, 1963

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Ernest V. Echohawk

Ernest V. Echohawk  
Registered Land Surveyor  
~~N. M. Reg. #1545~~  
Utah Reg. No. 2611

Farmington, New Mexico

December 4, 1963

Pan American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico

Re: Notice of Intention to Drill Well No.  
OLEN FEATHERSTONE-FEDERAL "B"-#1, 660'  
FNL & 2140' FWL, NE NW of Section 24,  
Township 37 South, Range 25 East,  
SLBM, San Juan County, Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill Well No.  
Olen Featherstone-Federal "B"-#1 is hereby granted.

As soon as you have determined that it will be necessary to plug  
and abandon the above mentioned well, you are hereby requested to im-  
mediately Notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer  
Office: DA 8-5771 or DA 8-5772  
Home: CR 7-2890  
Salt Lake City, Utah

This approval terminates with 90 days if this well has not been  
spudded in within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if  
water sands (aquifers) are encountered while drilling, particularly  
assessable near surface water sands.

Pan American Pet. Corp.

-2-

December 4, 1963

Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE DIRECTOR

CBF:kgw

cc: Jerry Long, District Engineer  
U. S. Geological Survey  
Durango, Colorado

H. L. Coonts, Petroleum Engineer  
Oil and Gas Conservation Commission  
Moab, Utah

Encl. (Forms)



(SUBMIT IN TRIPLICATE)

X		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. U-017580  
Unit Olen Featherstone  
Federal "B"

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Olen Featherstone Federal "B" Farmington, New Mexico January 22, 1964

Well No. 1 is located 660 ft. from N line and 2140 ft. from W line of sec. 24

NE/4, NW/4 Section 24 T-37S R-25E S.1.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5940 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

As a result of failure to find oil or gas in commercial quantities, we propose to plug and abandon the above well as follows:

1. Spot 60 sacks from 6070 (TD) to 5920 (Top of Alkah 6024, base Desert Creek 6003 and top Desert Creek 5929).
2. Spot 40 sacks from 5750 to 5650 (base lower Imay 5908, top lower Imay 5859, base upper Imay 5800 and top upper Imay 5700).
3. Spot 40 sacks from 4600 to 4500 (top of Hermosa 4545).
4. Spot 40 sacks from 2900 to 2800 (top of Cutler 2838).
5. Spot 40 sacks from 1800 to 1700 (Top of Chinle 1740).
6. Spot 40 sacks from 1100 to 1000 (top of Winata 1196, Kayenta 1380, Navajo 1050 and Carmel 1000).
7. Spot 40 sacks from 850 to 750 (top of Entrada 804).
8. Spot 40 sacks from 550 to 450 (base of 9-5/8" surface casing 491).

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company PAN AMERICAN PETROLEUM CORPORATION

(SEE REVERSE SIDE)

Address P. O. Box 480

Fred L. Nabors, District Engineer

Farmington, New Mexico

By \_\_\_\_\_

Verbally approved January 20, 1964  
Long (USGS) and Burshell (Utah CGC)  
to Hollingsworth.

Title \_\_\_\_\_

ORIGINAL SIGNED BY  
F. M. HOLLINGSWORTH

9. Spot 10 sacks from 25 to surface, erect P & A marker and clean up location.

Site # 1



X			

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4  
Form Approved.

Land Office **Utah**  
Lease No. **U-017580**  
Unit **Olen Featherstone**  
**Federal "B"**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY <b>Core &amp; DST</b>	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

**Olen Featherstone Federal "B"**

**Farmington, New Mexico January 22, 1964**

Well No. **1** is located **660** ft. from **N** line and **240** ft. from **W** line of sec. **24**

**NE 1/4 NW 1/4 Section 24**  
(1/4 Sec. and Sec. No.)

**T-373**  
(Twp.)

**R-25E**  
(Range)

**S.L.M.**  
(Meridian)

**Wildcat**  
(Field)

**San Juan**  
(County or Subdivision)

**Utah**  
(State or Territory)

The elevation of the derrick floor above sea level is **5940** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**Core No. 1 - 5943-6003. Recovered 60', 9' anhydrite, 1' Dolomite with anhydrite inclusions, 1' siltstone and anhydrite, 2' Dolomite with some oil stains, no permeability, 7' shale, 1' lime, 2' shale, 3' Dolomite, 4' shale with anhydrite inclusions, 2' anhydrite, 1' Dolomite with anhydrite inclusions, 7' anhydrite, 2' Dolomite which appears wet with salty taste, 1' shale, 5' lime with anhydrite inclusions, 1' shale, 4' lime, 4' shale and lime interbedded, 3' shale.**

**Drill Stem Test No. 1 - 5901-6003. Tool failed.**

**Drill Stem Test No. 2 - 5904-6003. Tool open 1 hour with very faint blow at start increasing to weak blow at end of 1 hour. 30 minute initial shut in pressure 312 psi, 30 minute shut in pressure 227 psi, initial hydrostatic and final hydrostatic 2986 psi, initial bottom hole pressure flowing and final bottom hole pressure flowing 170 psi. Recovered 285' drilling mud with no show oil or gas. Bottom hole temperature 125° F.**

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

(SEE REVERSE SIDE)

Company **PAN AMERICAN PETROLEUM CORPORATION**

**Fred L. Nabors, District Engineer**

Address **P. O. Box 480**

**Farmington, New Mexico**

By

Title

Drilled to total depth of 6070'. Ran logs and waited on orders.

JAN 24 1964

Copy RHC

LAND OFFICE \_\_\_\_\_  
LEASE NUMBER 8-017590  
UNIT Allen Anthracite  
Federal 1 NPH

*State* Utah *County* San Juan *Field* Wildcat

Agent's address P. O. Box 400 Company DAY 2 REGISTRATION SERVICE

\_\_\_\_\_  
 \_\_\_\_\_, New Jersey. Signed [Signature]

Phone 325-8841 Agent's title Administrative Clerk

# Final Report

----- runs or sales of gasoline during the month. (Write "no" where applicable.)

**Form 9-329**  
(January 1950)

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Form Approved.

Land Office Utah  
Lease No. U-017580  
Unit Olen Featherstone  
Federal "B"

	X		

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Olen Featherstone Federal "B" Farmington, New Mexico February 13, 1964

Well No. 1 is located 660 ft. from N line and 2110 ft. from W line of sec. 24

NE/4 NW/4 Section 24 T-37S R-25E S.L.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wilcoat San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5940 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

As a result of failure to find oil or gas in commercial quantities, the above well was plugged and abandoned January 20, 1964 as follows:

1. Spotted 60 sacks from 6070 (TD) to 5920.
2. Spotted 40 sacks from 5750 to 5650.
3. Spotted 40 sacks from 4600 to 4500.
4. Spotted 40 sacks from 2900 to 2800.
5. Spotted 40 sacks from 1800 to 1700.
6. Spotted 40 sacks from 1100 to 1000.
7. Spotted 40 sacks from 850 to 750.
8. Spotted 40 sacks from 550 to 450.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

(SEE REVERSE SIDE)

Company PAN AMERICAN PETROLEUM CORPORATION

Address P. O. Box 480

Farmington, New Mexico

Fred. L. Nabors, District Engineer

ORIGINAL SIGNED BY  
By F. H. HOLUNGOUGH

Title \_\_\_\_\_

9. Spotted 10 sacks from 25 to surface, erected P & A marker and cleaned up location.

FEB 14 1964

1 copy 8.10  
2 copy KSPW  
STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
310 NEWHOUSE BUILDING  
SALT LAKE CITY 11, UTAHREPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Olen Featherstone Federal "B" Well No. 1  
P. O. Box 480  
Operator PAN AMERICAN PETROLEUM CORPORATION Address Farmington, N. Mex. Phone 325-8841  
1200 Oil & Gas Bldg.  
Contractor Moran Brothers Address Wichita Falls, Tex. Phone \_\_\_\_\_  
Location: NE 1/4 NW 1/4 Sec. 24 T. 37 N R. 25 E San Juan County, Utah.  
S N

## Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

(Continued on reverse side if necessary)

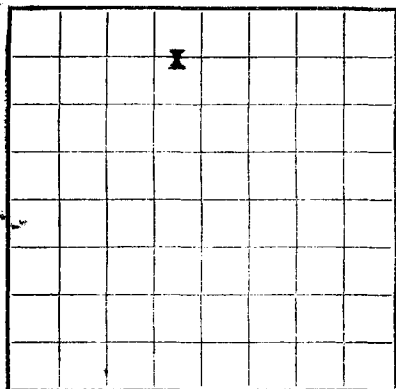
Formation Tops:Remarks:

No fresh water sands were encountered while drilling the above well.

NOTE: (a) Upon diminishing supply of forms, please inform the Commission  
(b) Report on this form as provided for in Rule C-20, General Rules  
and Regulations and Rules of Practice and Procedure. (See back of form)

4

U. S. LAND OFFICE Utah  
SERIAL NUMBER U-017580  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company PAN AMERICAN PETROLEUM CORPORATION Address P. O. Box 480, Farmington, New Mexico  
Lessor or Tract Olen Featherstone Federal "B" Field Wildcat State Utah  
Well No. 1 Sec. 24 T. 37S R. 25E Meridian S.L.M. County San Juan  
Location 660 ft. NE of N. Line and 2140 ft. E. of W. Line of Section 24 Elevation 5940  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records. Fred L. Nabors, District Engineer

Signed \_\_\_\_\_

CRACKED BY  
F. H. F. J. H.

Date February 14, 1964

Title \_\_\_\_\_

The summary on this page is for the condition of the well at above date.

Commenced drilling December 20, 1963 Finished drilling January 18, 1964

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8"	49.1	8.0	1-53	440	440	440			Sub-Base

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	491	350	Halliburton 2 plug		

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

## PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

Rotary tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

## DATES

Completed as Dry Hole, 19..... Put to producing ..... Dry Hole, 19.....

The production for the first 24 hours was ..... barrels of fluid of which .....% was oil; .....%

emulsion; .....% water; and .....% sediment. Gravity, °Bé. ....

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. ....

## EMPLOYEES

....., Driller ..... , Driller

Joe Pitts ..... W. E. Clark ..... , Driller

R. G. Gerrard ..... E. E. Combrink

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	804	804	Surface sand and shale
804	1000	196	Entrada
1000	1050	50	Carmel
1050	1380	330	Navajo
1380	1496	116	Kayenta
1496	1740	244	Wingate
1740	2838	1098	Chinle
2838	4545	1707	Cutler
4545	5700	1155	Marmosa
5700	5859	159	Upper Ismay
5859	5929	70	Lower Ismay
5929	6024	95	Desert Creek
6024	6070	46	Akai

[OVER]

10-48094-4



February 20, 1964

Pan American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico

Attention: Mr. Fred L. Nabors, District Engineer

Re: Well No. Olen Featherstone Federal "B"-1  
Sec. 24, T. 37 S. R. 25 E.,  
San Juan County, Utah

Gentlemen:

We are in receipt of your well log for the above mentioned well. However, upon checking this information, we notice that you did not report the water sands encountered while drilling.

Please complete the enclosed Forms OGCC-8-X, and return to this office as soon as possible.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA N. PECK  
RECORDS CLERK

cnp

Enclosure

4

# PAN AMERICAN PETROLEUM CORPORATION

P. O. Box 480, Farmington, New Mexico  
February 21, 1964

File: H-552-400.1

Subject: Olen Featherstone Federal "B"  
Well No. 1, Sec. 24-T37S-R25E  
San Juan County, Utah

The State of Utah  
Oil & Gas Conservation Commission  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah

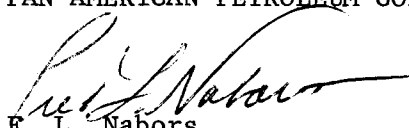
Attention: Clarella N. Peck

Gentlemen:

We wish to acknowledge receipt of your letter of February 20, 1964, wherein you requested we complete Forms OGCC-8-X to indicate the water sands encountered while drilling the subject well. No copies of Forms OGCC-8-X were enclosed with your above referenced letter. Please forward a supply of these forms at your earliest convenience for our completion.

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION

  
F. L. Nabors  
District Engineer

JCG:ep